SHARP®

SERVICE MANUAL

SE0029LF92E00
Issued: 28th July 2004

AK-45 CHASSIS

PAL B/G / SECAM L/L', B/G, D/K SYSTEM COLOUR TELEVISION

MODEL 29LF-92EC/IT

In the interests of user safety (required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

In order to service the model 29LF-92E, refer to the AK-45 Chassis Service Manual (SE00AK45CHA00).

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SHARP CORPORATION

This document has been published to be used for after sales service only.

SERVICE MANUAL UPDATE LOG SHEET

Technical Report No. Technical Bulletin No.	Cause / Solution	Part No.	Page No.	Application Data /Serial No.

Use this page to keep any special servicing information as Technical Report (Bulletin), Technical Information, etc.
If only part number changes are required, just change part number directly the part number in the Parts Listing Section.
If you need more information, please refer to the Technical Report (Bulletin).

ELECTRICAL SPECIFICATIONS

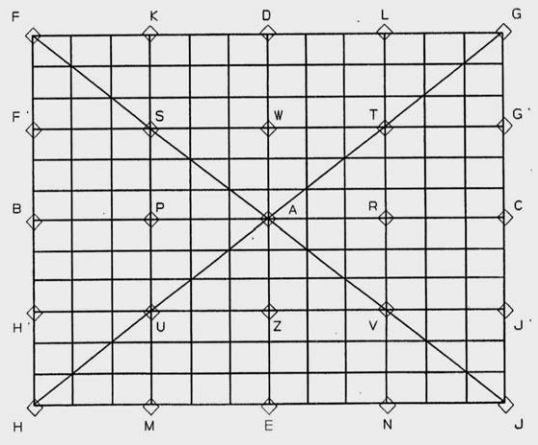
•Power Input ..... 220V-240 Volts AC 50 Hz

•Power Consumption
Normal Operation (Method IEC60107) ..... 83 W
Stand-by Operation ..... < 4 W

•Audio Power Output Rating (MPO) / Impedance
Internal Left Speaker ..... 10 W, 7 Ω
Internal Right Speaker ..... 10 W, 7 Ω

•Speakers
Full range (2 pcs) ..... 60 x 120 mm

•Convergence (Maximum Misconvergence)



AREA	mm
A	0.4
BC	1.0
DE	1.0
FGHJ	1.5
KLMN	1.3
F'G'H'J'	1.3
STUV	1.0

•Picture Intermediate frequency
L' 33.9MHz
L, B/G, D/K 38.9MHz

•Sound Carrier Trap
L' 40.4MHz
L, D/K 32.4MHz
B/G 33.4MHz

•Adjacent Sound Carrier Trap
L' 32.4MHz
L, D/K, B/G 40.4MHz

•Adjacent Picture Carrier Trap
L' 41.9MHz
L, D/K 30.9MHz
B/G 31.9MHz

•Aerial Input Impedance
VHF/UHF ..... 75 ohm Unbalanced

•Tuning Ranges ..... 45.75MHz thru 855.25 MHz
VHF: S1 - S41 CH (Hiperband)
E2 - E12 CH / F2 - F10
UHF: E21 - E69 CH

•White Level
Apply the rated voltage at the rated frequency to the TV set, while it is receiving full white pattern RF signal of 60 dB/μV from its RF input via the pattern generator.
Turn all picture controls to maximum value. Measure the colour temperatures at the center of the screen by using the colour analyzer.

29LF94EC: X=0.304 ± 0.015 Y=0.306 ± 0.015
29LF94EIT: X=0.290 ± 0.015 Y=0.300 ± 0.015

Specifications are subject to change without prior notice.

MODEL DESTINATION (Operation Manual Languages)

28LF-92EC: Czech, English, Hungarian, Polish, Romanian, Russian, Slovakian
28LF-92EIT: Italiano.

WARNING

The chassis in this receiver is partially hot. Use an isolation transformer between the line cord plug and power receptacle, when servicing this chassis.
To prevent electric shock, do not remove cover. No user-serviceable parts inside. Refer servicing to qualified service personnel.

IMPORTANT SERVICING NOTES

Only qualified service personnel are allowed to carry out maintenance and repair of this receiver.

Servicing of High Voltage System and CRT

It is important that the static charge is removed from the high voltage system when carrying out work on the receiver. This can be achieved by connecting a 10K resistor (with a suitably insulated lead) from the CRT cavity connector to the CRT ground tag. This must be carried out with the AC supply disconnected from the receiver.

Note the following:

- The CRT in this receiver employs Integral Implosion Protection.
- If the CRT has to be changed it MUST be replaced with the correct type for continued safe working.
- DO NOT lift the CRT by its neck.
- When handing the CRT, ensure that shatterproof goggles are worn.
- Ensure that the CRT is discharge before handling.

X-Ray

This receiver is designed to keep any x-ray emission to an absolute minimum. Some fault conditions and servicing procedures may produce potentially hazardous x-ray radiation levels. This is a problem when in close proximity to the receiver for long periods of time. To reduce any risks associated with this, please observe the following precautions:

1. When undertaking any servicing on this chassis, DO NOT increase the EHT to more than 33 KV, (at a instantaneous beam current of 1800 μA).

2. Ensure that during normal operation the EHT does not exceed 29.55 KV (at a beam current of 1800 μA). This level has been preset in the factory. Always check that this level has not been exceeded after carrying out any repair on the receiver.

3. DO NOT replace the CRT with any other type than that specified in the parts listing as this may cause excessive x-ray radiation.

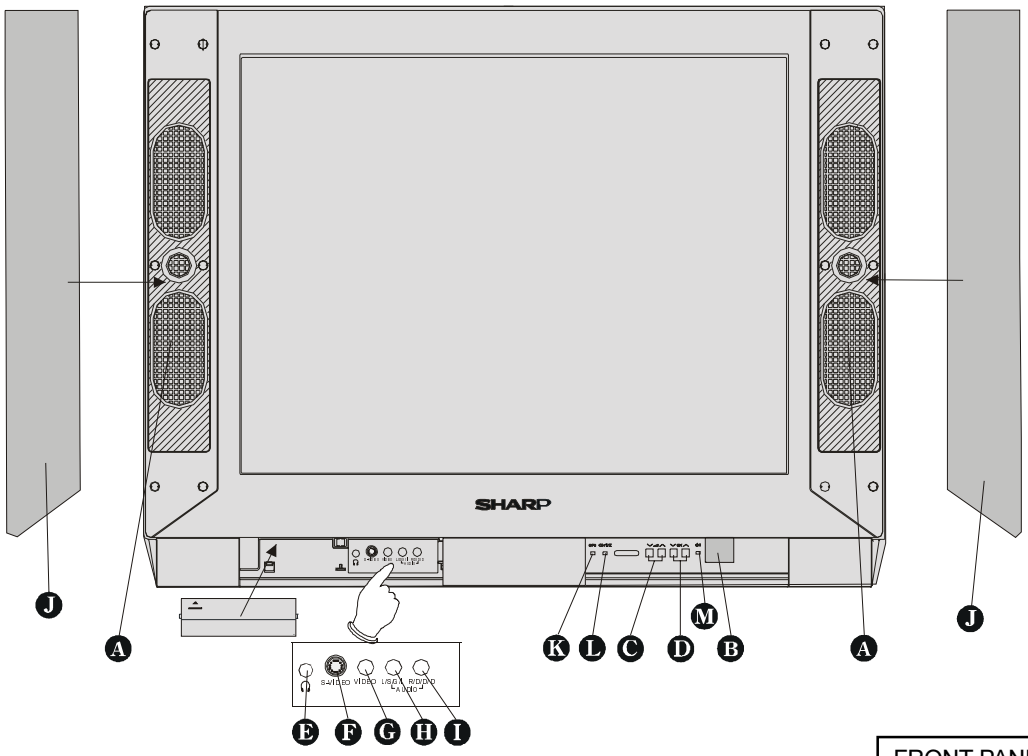
Before returning the receiver to the customer

In addition to the above checks, the following should also be carried out before returning the receiver to the customer.

1. Inspect all the leads to ensure that they are dressed correctly and that they are not obstructed or pinched by any other parts.

2. Ensure that all protective devices are in good condition. These will include nonmetallic control knobs, insulating fish papers, cabinets backs, compartment covers or shields, mechanical insulators, etc.

CONTROLS & TERMINALS



FRONT PANEL

Ⓐ Speakers (left + right)
Ⓑ ⏻ = Power On / Off
Ⓒ ∨ ◿ ∧= Volume -/+
Ⓓ ∨ **CH** ∧ = Program -/+
Ⓔ 🎧 = Headphone 3,6 mm Ø

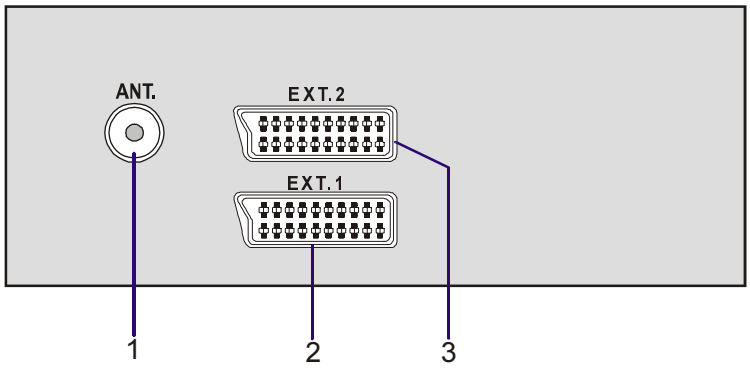
Ⓕ **S-VIDEO**
Ⓖ **VIDEO**
Ⓗ **AUDIO (L/S/G/I)** = Audio left
Ⓘ **AUDIO (R/D/D/D)** = Audio right
Ⓙ Speaker Covers

Ⓚ Remote Control Indicator
Ⓛ Sound Indicator
Ⓜ Power Indicator

REAR TV
RF Input
1. Aerial terminal

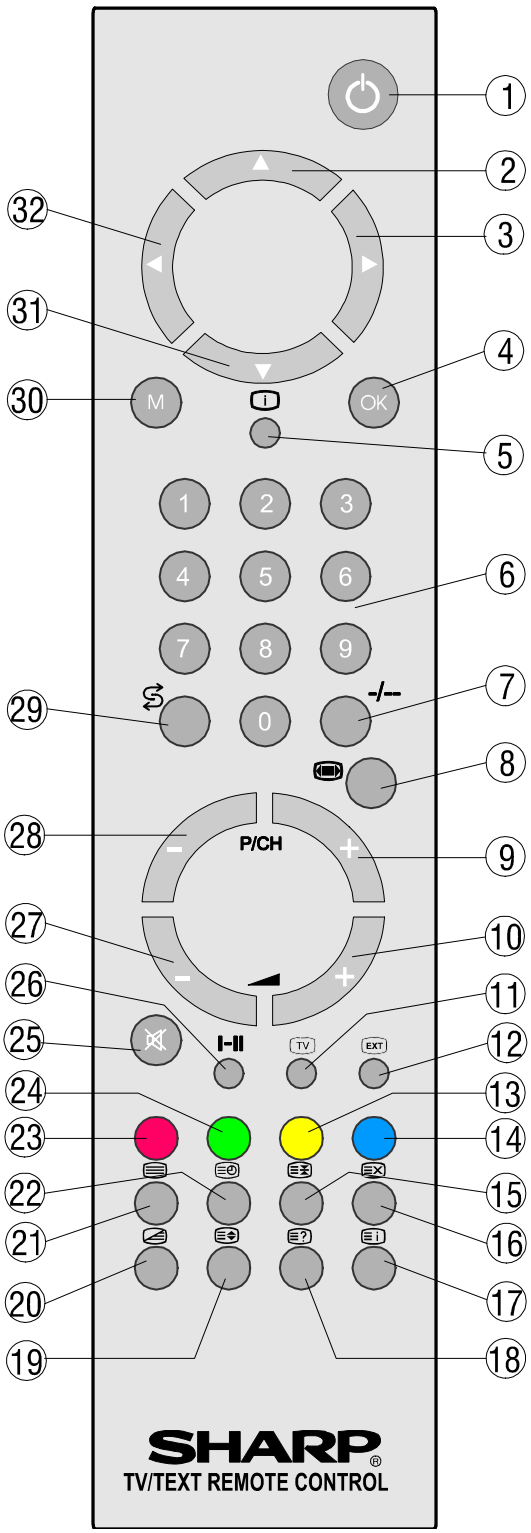
21-pin In/Out

2. 21-pin Audio/Video (RGB) (EXT.1) With PAL/SECAM/NTSC Video Input
3. 21-pin Audio/Video (EXT.2) With PAL/SECAM/NTSC Video Input



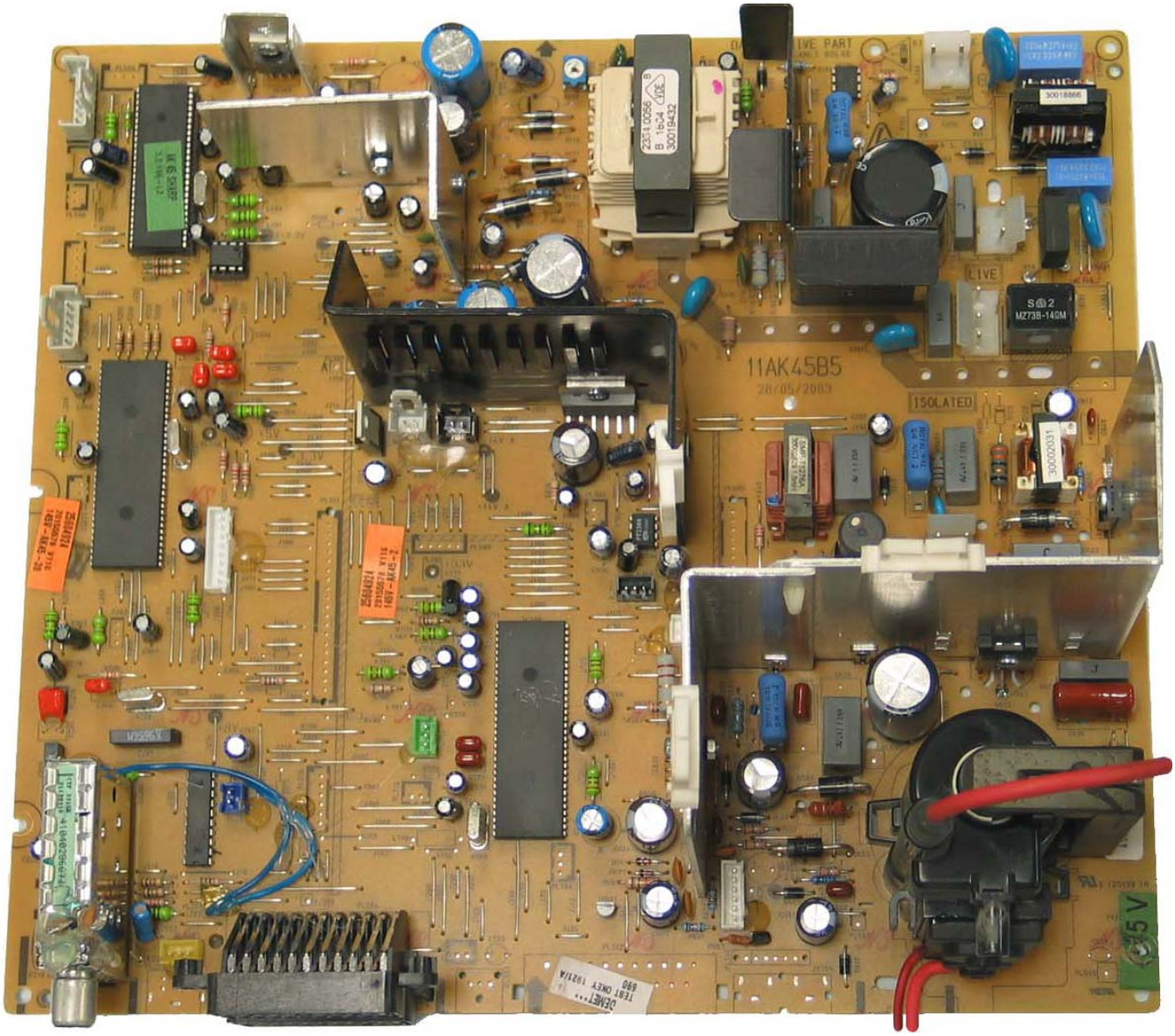
REMOTE CONTROL

① ⏻ = Stand By
② △ = Cursor Up
③ ▷ = Cursor Right
④ OK = OK
⑤ ⓘ = Info (Program Menu)
⑥ **0 - 9** = Direct Program
⑦ **-/--** = Double Digit
⑧ = Wide mode button
⑨ **P/CH+** = Program +
⑩ **+** = Volume +
⑪ TV = TV / Quit Menu
⑫ EXT = EXT button
(**EXT-1, RGB, EXT-2, F-AV, S-VHS**)
⑬ **Yellow** = Feature Menu
⑭ **Blue** = Installation Menu
⑮ = Hold
⑯ = Update
⑰ = Index Page
⑱ = Reveal
⑲ = Expand
⑳ = Mix
㉑ = Teletext
㉒ = Time
㉓ **Red** = Sound Menu
㉔ **Green** = Picture Menu
㉕ = Mute
㉖ **I-II** = Mono/Stereo - Dual I-II
㉗ **-** = - Volume
㉘ **- P/CH** = -Program
㉙ = Flash back button
㉚ **M** = Menu
㉛ ▽ = Cursor Down
㉜ ◁ = Cursor Left

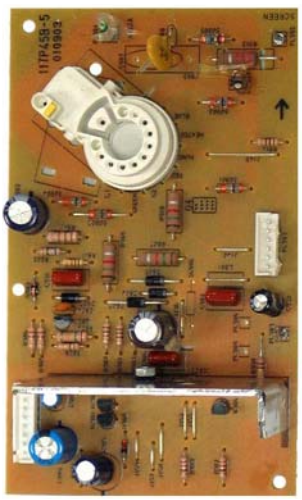


CHASSIS LAYOUT

Mother Unit

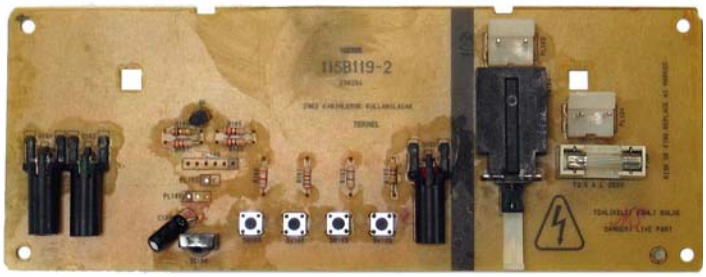


CRT Unit



Front AV Unit

Keyboard Unit



PARTS LISTING

REPLACEMENT PARTS

Replacement parts which have special safety characteristics are identified in this manual. Electrical components having such features are identified by △ in the Replacement Parts Listing.
The use of a substitute replacement part which does not have the same safety characteristics as the factory recommended is not permitted.
Replacement parts not shown in this service manual may create shock fire, or other hazards.

HOW TO ORDER REPLACEMENT PARTS

To have your order completed promptly and correctly please supply the following information.

1. MODEL NUMBER 2. REF. NO.
3. PART NO. (*) 4. DESCRIPTION
5. CODE 6. QUANTITY

(*) When ordering any part, a "V" should be added before the Part No.

	REF No.	(*) PARTS	DESCRIPTION	SN CODE	EX CODE
			PICTURE TUBE		
△	.	30014433	29" CPT TUBE SAFE 50HZ REALFLAT	CR	DP
△	.	30032257	29 DEG COIL&EARTH CB. SF FL W/UL(SHARP)	AL	AX
			TUNER		
	TU200	30009637	TUNER WSP (PLL) CTF5510A	AR	BC
			INTEGRATED CIRCUITS		
	IC100	30001669	PREAMPLIFIER TFMS1380	AD	AM
△	IC100	30015087	IC SAFE OPTOCOUPLER TCET1102G	AA	AE
	IC101	30001622	IC 7805 (1A)	AB	AF
	IC102	30001668	IC LM317T	AC	AH
	IC103	30001668	IC LM317T	AC	AH
	IC104	30001500	IC LM7808	AC	AH
	IC106	30011968	IC SMPS MC44608 DIP8	AF	AQ
	IC116	30001506	IC TL431	AC	AH
	IC200	30019492	IC VDP3134Y	AP	BA
	IC201	30001619	IC VIDEO SWITCH TEA6415C DIP20	AM	AY
	IC206	30021083	IC TDA9886T/V3-SO24	AL	AX
	IC301	30016113	IC AAMP TDA7269A 2*14W MULTIWATT11	AH	AV
	IC500	20170875	PR.IC.45-AK45_SHARP 3.3.106-L.1 (29LF92EIT)	AS	BD
	IC500	20170876	PR.IC.45-AK45_SHARP 3.3.106-L.2 (29LF92EC)	AS	BD
	IC502	20155581	IC 24C16 V116M5314B00040100712 (29LF92EC)	AB	AF
	IC502	20155582	IC 24C16 V117L5314A00040100712 (29LF92EIT)	AB	AF
	IC600	30007793	IC STV9379FA	AK	AW
	IC601	30001506	IC TL431	AC	AH
	IC700	30013658	IC MSP3410G SDIP64	AS	BD
	IC704	30001518	IC TDA1308	AE	AP
	IC900	30018768	IC TDA6109	AK	AW
	IC901	30014346	IC 78L05 TO-92 (100mA)	AA	AE
	IC902	30014346	IC 78L05 TO-92 (100mA)	AA	AE
			TRANSISTORS		
	Q1	30001455	TR BC558B	AA	AC
	Q102	30001386	TR MTP6N60E (PLASTIC)	AE	AP
	Q103	30001454	TR BC548B	AA	AC
	Q106	30001454	TR BC548B	AA	AC
	Q107	30001428	TR BF423	AA	AC
	Q108	30001457	TR BC848B SMD	AA	AC
	Q109	30001457	TR BC848B SMD	AA	AC
	Q110	30001384	TR MCR22-6	AB	AG
	Q112	30001458	TR BC858B SMD	AA	AB
	Q113	30001457	TR BC848B SMD	AA	AC
	Q114	30001457	TR BC848B SMD	AA	AC
	Q200	30001457	TR BC848B SMD	AA	AC
	Q201	30001457	TR BC848B SMD	AA	AC
	Q202	30001457	TR BC848B SMD	AA	AC
	Q203	30001457	TR BC848B SMD	AA	AC
	Q208	30001457	TR BC848B SMD	AA	AC

	REF No.	PARTS	DESCRIPTION	SN CODE	EX CODE
	Q216	30001457	TR BC848B SMD	AA	AC
	Q218	30001458	TR BC858B SMD	AA	AB
	Q220	30001457	TR BC848B SMD	AA	AC
	Q221	30001457	TR BC848B SMD	AA	AC
	Q222	30001457	TR BC848B SMD	AA	AC
	Q223	30001457	TR BC848B SMD	AA	AC
	Q500	30001457	TR BC848B SMD	AA	AC
	Q501	30001457	TR BC848B SMD	AA	AC
	Q502	30001457	TR BC848B SMD	AA	AC
	Q503	30001457	TR BC848B SMD	AA	AC
	Q504	30001457	TR BC848B SMD	AA	AC
	Q505	30001458	TR BC858B SMD	AA	AB
	Q508	30001457	TR BC848B SMD	AA	AC
	Q511	30001457	TR BC848B SMD	AA	AC
	Q513	30001458	TR BC858B SMD	AA	AB
	Q600	30001429	TR E/W N-CH TMOS 200V	AD	AM
	Q601	30001435	TR NBJT BC639 1A/100V TO92	AA	AB
	Q602	30001441	TR BU2508AF	AE	AP
	Q603	30001458	TR BC858B SMD	AA	AB
	Q605	30001458	TR BC858B SMD	AA	AB
	Q606	30001458	TR BC858B SMD	AA	AB
	Q700	30001458	TR BC858B SMD	AA	AB
	Q703	30001458	TR BC858B SMD	AA	AB
	Q704	30001457	TR BC848B SMD	AA	AC
	Q900	30001427	TR BF422	AA	AE
	Q901	30001458	TR BC858B SMD	AA	AB
	Q902	30001458	TR BC858B SMD	AA	AB
	Q903	30001458	TR BC858B SMD	AA	AB
	Q904	30001458	TR BC858B SMD	AA	AB
	Q905	30001458	TR BC858B SMD	AA	AB
	Q906	30001452	TR BC327	AA	AC
			DIODES		
	D100	20060150	BRACKET LED 20	AA	AD
	D100	30001274	LED RED	AA	AB
	D100	30001329	DIODE 1N4007 1A/1000V 30A	AA	AB
	D101	20060150	BRACKET LED 20	AA	AD
	D101	30029696	LED YELLOW ORANGE 5MM ULTRA BRIGHT	AA	AE
	D101	30001371	DIODE ZENER 5.1V ZPD	AA	AB
	D101	20108354	DIODE BRIDGE GBU4M 4A/1000V 150A(FORMLU)	AB	AE
	D102	20060150	BRACKET LED 20	AA	AD
	D102	30019677	LED GREEN 5MM	AA	AC
	D102	30001371	DIODE ZENER 5.1V ZPD	AA	AB
	D103	30001371	DIODE ZENER 5.1V ZPD	AA	AB
	D103	30001318	DIODE BA159 1A/800V 20A	AA	AB
	D104	30001371	DIODE ZENER 5.1V ZPD	AA	AB
	D104	30001318	DIODE BA159 1A/800V 20A	AA	AB
	D105	30001371	DIODE ZENER 5.1V ZPD	AA	AB
	D105	30001318	DIODE BA159 1A/800V 20A	AA	AB
	D106	30001344	DIODE ZENER 6.2V 1/2W	AA	AB
	D108	30001315	DIODE BYD33D 1A/200V 20A	AA	AE
	D110	30001288	DIODE BYV27-200 2A/200V 50A	AA	AD
	D111	30001323	DIODE BY299 2A/800V 70A	AA	AD
	D112	30025773	DIODE ZENER SMD BZT55B5V1	AA	AA
	D113	30003720	DIODE ZENER BZT55C5V6 5.6V SMD	AA	AB
	D114	30001285	DIODE 1N4148 SMD	AA	AB
	D118	30009366	DIODE UF5402 3A/200V 150A	AB	AF
	D119	30009366	DIODE UF5402 3A/200V 150A	AB	AF
	D121	30007681	DIODE UF5407 3A/800V 150A	AB	AF
	D121+	30001964	FERRITE BAR 5*8	AA	AD
	D125	30001285	DIODE 1N4148 SMD	AA	AB
	D127	30001315	DIODE BYD33D 1A/200V 20A	AA	AE
	D129	30001285	DIODE 1N4148 SMD	AA	AB
	D130	30001329	DIODE 1N4007 1A/1000V 30A	AA	AB
	D131	30001318	DIODE BA159 1A/800V 20A	AA	AB
	D132	30001285	DIODE 1N4148 SMD	AA	AB
	D133	30003722	DIODE ZENER ZPD15V	AA	AA

	REF No.	PARTS	DESCRIPTION	SN CODE	EX CODE
	D134	30001285	DIODE 1N4148 SMD	AA	AB
	D200	30001285	DIODE 1N4148 SMD	AA	AB
	D204	30001285	DIODE 1N4148 SMD	AA	AB
	D205	30025773	DIODE ZENER SMD BZT55B5V1	AA	AA
	D206	30018735	DIODE ZENER BZT55C15 15V SMD	AA	AB
	D207	30018735	DIODE ZENER BZT55C15 15V SMD	AA	AB
	D208	30018735	DIODE ZENER BZT55C15 15V SMD	AA	AB
	D209	30018735	DIODE ZENER BZT55C15 15V SMD	AA	AB
	D212	30001285	DIODE 1N4148 SMD	AA	AB
	D213	30012411	DIODE BA782 SMD	AA	AD
	D214	30025773	DIODE ZENER SMD BZT55B5V1	AA	AA
	D215	30025773	DIODE ZENER SMD BZT55B5V1	AA	AA
	D216	30025773	DIODE ZENER SMD BZT55B5V1	AA	AA
	D217	30025773	DIODE ZENER SMD BZT55B5V1	AA	AA
	D218	30025773	DIODE ZENER SMD BZT55B5V1	AA	AA
	D219	30025773	DIODE ZENER SMD BZT55B5V1	AA	AA
	D220	30025773	DIODE ZENER SMD BZT55B5V1	AA	AA
	D221Y	30025773	DIODE ZENER SMD BZT55B5V1	AA	AA
	D222Y	30025773	DIODE ZENER SMD BZT55B5V1	AA	AA
	D506	30012412	DIODE ZENER 2.4V SMD	AA	AB
	D601	30001377	DIODE ZENER 33V UZT 33B	AB	AF
	D602	30001318	DIODE BA159 1A/800V 20A	AA	AB
	D603	30001299	DIODE UF5404 3A/400V 150A	AA	AD
	D604	30001299	DIODE UF5404 3A/400V 150A	AA	AD
	D609	30001318	DIODE BA159 1A/800V 20A	AA	AB
	D610	30001318	DIODE BA159 1A/800V 20A	AA	AB
	D611	30007681	DIODE UF5407 3A/800V 150A	AB	AF
	D612	30001285	DIODE 1N4148 SMD	AA	AB
	D613	30001291	DIODE HER107 1A/800V 30A	AA	AB
	D614	30025773	DIODE ZENER SMD BZT55B5V1	AA	AA
	D615	30001318	DIODE BA159 1A/800V 20A	AA	AB
	D617	30025773	DIODE ZENER SMD BZT55B5V1	AA	AA
	D622	30001285	DIODE 1N4148 SMD	AA	AB
	D623	30001285	DIODE 1N4148 SMD	AA	AB
	D624	30001285	DIODE 1N4148 SMD	AA	AB
	D625	30001320	DIODE GUC BY228	AB	AF
	D627	30001284	DIODE 1N4148 0.15A/100V 0.5A	AA	AB
	D628	30001285	DIODE 1N4148 SMD	AA	AB
	D701	30007761	DIODE ZENER SMD BZT55C3V6	AA	AB
	D702	30001285	DIODE 1N4148 SMD	AA	AB
	D706	30001285	DIODE 1N4148 SMD	AA	AB
	D902	30001318	DIODE BA159 1A/800V 20A	AA	AB
	D903	30001284	DIODE 1N4148 0.15A/100V 0.5A	AA	AB
	D904	30001318	DIODE BA159 1A/800V 20A	AA	AB
	D905	30001318	DIODE BA159 1A/800V 20A	AA	AB
	D907	30001318	DIODE BA159 1A/800V 20A	AA	AB
	D908	30014353	DIODE BAT85	AA	AC
	D909	30001285	DIODE 1N4148 SMD	AA	AB
	D910	30001285	DIODE 1N4148 SMD	AA	AB
			PACKAGED CIRCUITS		
	X200	30002851	XTAL 4MHZ L.C=30PF	AC	AH
	X201	30008778	XTAL 20.25MHZ	AB	AF
	X500	30006662	XTAL 6MHZ	AC	AH
	X700	30001756	XTAL 18.432MHZ	AE	AP
			COILS		
	L100	30001979	FIXED COIL 1UH Q45 M-A	AA	AB
	L101	30001979	FIXED COIL 1UH Q45 M-A	AA	AB
⚠	L101	30018866	LINE FILTER SAFE 2X22MH 10mmX12.5mm	AC	AH
	L102	30001971	FERRITE BEAT (805) BLM21A601S	AA	AD
	L103	30001992	FIXED COIL 10UH Q65 K-A	AA	AB
	L107(NOT2)	30007308	CAP CER 220PF 1KV K (PULSE)	AA	AD
	L203	30001996	FIXED COIL 22UH Q40 K	AA	AB
	L206	30001979	FIXED COIL 1UH Q45 M-A	AA	AB
	L207	30001979	FIXED COIL 1UH Q45 M-A	AA	AB
	L212	30001971	FERRITE BEAT (805) BLM21A601S	AA	AD

	REF No.	PARTS	DESCRIPTION	SN CODE	EX CODE
	L213	30001971	FERRITE BEAT (805) BLM21A601S	AA	AD
	L214	30001971	FERRITE BEAT (805) BLM21A601S	AA	AD
	L215	30001971	FERRITE BEAT (805) BLM21A601S	AA	AD
	L216	30001971	FERRITE BEAT (805) BLM21A601S	AA	AD
	L217	30001971	FERRITE BEAT (805) BLM21A601S	AA	AD
	L218	30001971	FERRITE BEAT (805) BLM21A601S	AA	AD
	L220	30001971	FERRITE BEAT (805) BLM21A601S	AA	AD
	L227	30001971	FERRITE BEAT (805) BLM21A601S	AA	AD
	L232	30001971	FERRITE BEAT (805) BLM21A601S	AA	AD
	L236	30001971	FERRITE BEAT (805) BLM21A601S	AA	AD
	L239	30001971	FERRITE BEAT (805) BLM21A601S	AA	AD
	L247	30001971	FERRITE BEAT (805) BLM21A601S	AA	AD
	L251	30001971	FERRITE BEAT (805) BLM21A601S	AA	AD
	L252	30001971	FERRITE BEAT (805) BLM21A601S	AA	AD
	L263	30001979	FIXED COIL 1UH Q45 M-A	AA	AB
	L264	30001979	FIXED COIL 1UH Q45 M-A	AA	AB
	L265	30001979	FIXED COIL 1UH Q45 M-A	AA	AB
	L266	30001987	FIXED COIL 4.7UH Q70 K-A	AA	AB
	L500	30001992	FIXED COIL 10UH Q65 K-A	AA	AB
	L501	30001992	FIXED COIL 10UH Q65 K-A	AA	AB
	L502	30001992	FIXED COIL 10UH Q65 K-A	AA	AB
	L503	30001992	FIXED COIL 10UH Q65 K-A	AA	AB
	L504	30001992	FIXED COIL 10UH Q65 K-A	AA	AB
	L505	30001992	FIXED COIL 10UH Q65 K-A	AA	AB
	L506	30006770	FIXED COIL 0.22UH	AA	AB
	L601	30002031	FIXED COIL INJECTION 15MH	AD	AL
	L602	30017085	LINEARITY COIL 20UH	AD	AM
	L603	30002829	FIXED COIL BRIDGE 1.5MH	AD	AL
	L700	30001996	FIXED COIL 22UH Q40 K	AA	AB
	L701	30001996	FIXED COIL 22UH Q40 K	AA	AB
	L702	30001996	FIXED COIL 22UH Q40 K	AA	AB
	L703	30001996	FIXED COIL 22UH Q40 K	AA	AB
	L711	30001996	FIXED COIL 22UH Q40 K	AA	AB
	L714	30001971	FERRITE BEAT (805) BLM21A601S	AA	AD
	L715	30001971	FERRITE BEAT (805) BLM21A601S	AA	AD
	L717	30001979	FIXED COIL 1UH Q45 M-A	AA	AB
	L719	30001968	FERRITE BEAD (0805) BLM21B201S	AA	AE
			CERAMIC FILTERS		
	Z200	30014261	FILTER SAW K3958M	AF	AR
	Z201	30012545	FILTER SAW K9656M	AG	AR
			TRANSFORMERS		
⚠	TR100	30019432	TRF SMPS SAFE AK45 110° (170-270V)	AG	AS
⚠	TR600	30021290	TRF FBT SAFE 110° 50HZ LAYER	AS	BC
	TR601	30002090	LINE DRIVER NEW TYPE	AD	AM
⚠	.	30015614	TRF PFC SAFE 0,9A 42 MH EP	AL	AX
			CAPACITORS		
	C100	30000371	CAP EL 22UF 50V M	AA	AB
	C100	30000190	CAP CER 100PF 50V J CH	AA	AB
	C101	30000190	CAP CER 100PF 50V J CH	AA	AB
	C102	30000190	CAP CER 100PF 50V J CH	AA	AB
⚠	C102	30000084	CAP MKT SAFE 150NF 275V M AC P=15	AC	AG
	C103	30000190	CAP CER 100PF 50V J CH	AA	AB
⚠	C103	30000094	CAP MKT SAFE 220NF 275V M AC	AA	AB
	C105	30012603	CAP SMD 100NF 25V K R (0603)	AA	AB
	C106	30000290	CAP CER 10NF 50V Z F	AA	AB
	C106	30000371	CAP EL 22UF 50V M	AA	AB
	C107	30000290	CAP CER 10NF 50V Z F	AA	AB
	C107	30000421	CAP EL 220UF 400V M (FOR 28")	AG	AS
⚠	C108	30000161	CAP MKP SAFE 47NF 630V J	AB	AE
	C111	30007308	CAP CER 220PF 1KV K (PULSE)	AA	AD
	C113	30006940	CAP CER 2.7NF 1KV K B	AA	AB
	C114	30007308	CAP CER 220PF 1KV K (PULSE)	AA	AD
⚠	C115	30000440	CAP CER SAFE 2.2NF 4KV M	AA	AC
	C118	30007308	CAP CER 220PF 1KV K (PULSE)	AA	AD

	REF No.	PARTS	DESCRIPTION	SN CODE	EX CODE
	C119	30000090	CAP MKT 22NF 100V J	AA	AB
	C120	30007308	CAP CER 220PF 1KV K (PULSE)	AA	AD
	C121	30012560	CAP SMD 100PF 50V J (0603)	AA	AB
	C122	30007308	CAP CER 220PF 1KV K (PULSE)	AA	AD
	C124	30000376	CAP EL 220UF 25V M	AA	AB
	C125	30028072	CAP EL 100UF 200V M (HR)	AE	AQ
	C126	30012603	CAP SMD 100NF 25V K R (0603)	AA	AB
	C127	30012603	CAP SMD 100NF 25V K R (0603)	AA	AB
	C129	30012603	CAP SMD 100NF 25V K R (0603)	AA	AB
	C130	30000436	CAP CER 10NF 1KV ZE	AA	AC
	C133	30018259	CAP EL 4700UF 25V M	AC	AG
	C134	30018259	CAP EL 4700UF 25V M	AC	AG
	C135	30018259	CAP EL 4700UF 25V M	AC	AG
	C137	30000367	CAP EL 1UF 250V M	AA	AB
	C138	30016654	CAP SMD 100NF 16V K R (0603)	AA	AB
	C140	30000393	CAP EL 3.3UF 50V M	AA	AB
	C141	30000359	CAP EL 1000UF 16V M	AA	AC
	C142	30000387	CAP EL 33UF 50V M	AA	AB
	C145	30000375	CAP EL 220UF 16V M	AA	AB
	C146	30012603	CAP SMD 100NF 25V K R (0603)	AA	AB
	C147	30016654	CAP SMD 100NF 16V K R (0603)	AA	AB
	C148	30000360	CAP EL 1000UF 25V M	AA	AE
	C149	30012581	CAP SMD 1NF 50V K R (0603)	AA	AB
	C150	30016654	CAP SMD 100NF 16V K R (0603)	AA	AB
	C152	30000375	CAP EL 220UF 16V M	AA	AB
	C154	30000375	CAP EL 220UF 16V M	AA	AB
	C155	30000375	CAP EL 220UF 16V M	AA	AB
	C156	30016654	CAP SMD 100NF 16V K R (0603)	AA	AB
	C157	30016654	CAP SMD 100NF 16V K R (0603)	AA	AB
⚠	C160	30000076	CAP MKT SAFE 100NF 275V M AC	AB	AE
⚠	C161	30000440	CAP CER SAFE 2.2NF 4KV M	AA	AC
	C162	30007708	CAP CER 1NF 1KV K (PULSE)	AA	AD
	C164	30000362	CAP EL 1UF 50V M	AA	AB
	C165	30000362	CAP EL 1UF 50V M	AA	AB
	C166	30000225	CAP CER 220PF 50V J SL	AA	AB
	C168	30000161	CAP MKP SAFE 47NF 630V J	AB	AE
	C170	30012566	CAP SMD 22PF 50V J (0603)	AA	AB
	C171	30012590	CAP SMD 47NF 50V K (0603)	AA	AA
	C172	30000313	CAP CER 22NF 50V Z F	AA	AB
	C173	30012603	CAP SMD 100NF 25V K R (0603)	AA	AB
	C174	30012603	CAP SMD 100NF 25V K R (0603)	AA	AB
	C175	30012603	CAP SMD 100NF 25V K R (0603)	AA	AB
	C176	30012603	CAP SMD 100NF 25V K R (0603)	AA	AB
	C202	30012643	RES SMD 1/16W 120R J (0603)	AA	AA
	C208	30016126	CAP SMD 220NF 16V K R (0603)	AA	AB
	C209	30016126	CAP SMD 220NF 16V K R (0603)	AA	AB
	C210	30016126	CAP SMD 220NF 16V K R (0603)	AA	AB
	C212	30000352	CAP EL 100UF 16V M	AA	AB
	C213	30012609	CAP SMD 68NF 50V K (0603)	AA	AB
	C214	30016126	CAP SMD 220NF 16V K R (0603)	AA	AB
	C215	30016126	CAP SMD 220NF 16V K R (0603)	AA	AB
	C217	30016126	CAP SMD 220NF 16V K R (0603)	AA	AB
	C218	30012610	CAP SMD 10NF 50V J (0603)	AA	AB
	C222	30016126	CAP SMD 220NF 16V K R (0603)	AA	AB
	C225	30000109	CAP MKT 470NF 63V J	AA	AD
	C226	30000352	CAP EL 100UF 16V M	AA	AB
	C227	30016654	CAP SMD 100NF 16V K R (0603)	AA	AB
	C229	30000345	CAP EL 10UF 50V M	AA	AB
	C231	30016654	CAP SMD 100NF 16V K R (0603)	AA	AB
	C233	30016654	CAP SMD 100NF 16V K R (0603)	AA	AB
	C234	30016126	CAP SMD 220NF 16V K R (0603)	AA	AB
	C235	30012610	CAP SMD 10NF 50V J (0603)	AA	AB
	C237	30012583	CAP SMD 1.5NF 50V K (0603)	AA	AA
	C238	30012610	CAP SMD 10NF 50V J (0603)	AA	AB
	C240	30012559	CAP SMD 10PF 50V D COG (0603)	AA	AA
	C242	30012560	CAP SMD 100PF 50V J (0603)	AA	AB

	REF No.	PARTS	DESCRIPTION	SN CODE	EX CODE
	C246	30012586	CAP SMD 22NF 50V K (0603)	AA	AB
	C248	30012586	CAP SMD 22NF 50V K (0603)	AA	AB
	C249	30012610	CAP SMD 10NF 50V J (0603)	AA	AB
	C252	30000387	CAP EL 33UF 50V M	AA	AB
	C253	30000345	CAP EL 10UF 50V M	AA	AB
	C255	30016126	CAP SMD 220NF 16V K R (0603)	AA	AB
	C258	30012581	CAP SMD 1NF 50V K R (0603)	AA	AB
	C259	30000345	CAP EL 10UF 50V M	AA	AB
	C260	30012585	CAP SMD 2.2NF 50V K R (0603)	AA	AB
	C261	30012588	CAP SMD 33NF 50V K (0603)	AA	AA
	C262	30012610	CAP SMD 10NF 50V J (0603)	AA	AB
	C263	30012588	CAP SMD 33NF 50V K (0603)	AA	AA
	C264	30012603	CAP SMD 100NF 25V K R (0603)	AA	AB
	C265	30000109	CAP MKT 470NF 63V J	AA	AD
	C266	30000109	CAP MKT 470NF 63V J	AA	AD
	C267	30012581	CAP SMD 1NF 50V K R (0603)	AA	AB
	C268	30012590	CAP SMD 47NF 50V K (0603)	AA	AA
	C269	30016654	CAP SMD 100NF 16V K R (0603)	AA	AB
	C270	30016654	CAP SMD 100NF 16V K R (0603)	AA	AB
	C271	30016654	CAP SMD 100NF 16V K R (0603)	AA	AB
	C273	30012590	CAP SMD 47NF 50V K (0603)	AA	AA
	C274	30016654	CAP SMD 100NF 16V K R (0603)	AA	AB
	C275	30016654	CAP SMD 100NF 16V K R (0603)	AA	AB
	C276	30016654	CAP SMD 100NF 16V K R (0603)	AA	AB
	C277	30000345	CAP EL 10UF 50V M	AA	AB
	C278	30012559	CAP SMD 10PF 50V D COG (0603)	AA	AA
	C279	30012559	CAP SMD 10PF 50V D COG (0603)	AA	AA
	C280	30000345	CAP EL 10UF 50V M	AA	AB
	C282	30012585	CAP SMD 2.2NF 50V K R (0603)	AA	AB
	C283	30000345	CAP EL 10UF 50V M	AA	AB
	C284	30012585	CAP SMD 2.2NF 50V K R (0603)	AA	AB
	C286	30000345	CAP EL 10UF 50V M	AA	AB
	C287	30012607	CAP SMD 150PF 50V J (0603)	AA	AA
	C288	30012589	CAP SMD 4.7NF 50V K (0603)	AA	AB
	C289	30012589	CAP SMD 4.7NF 50V K (0603)	AA	AB
	C290	30012581	CAP SMD 1NF 50V K R (0603)	AA	AB
	C292	30012589	CAP SMD 4.7NF 50V K (0603)	AA	AB
	C293	30012607	CAP SMD 150PF 50V J (0603)	AA	AA
	C296	30012589	CAP SMD 4.7NF 50V K (0603)	AA	AB
	C300	30012589	CAP SMD 4.7NF 50V K (0603)	AA	AB
	C301	30012607	CAP SMD 150PF 50V J (0603)	AA	AA
	C302	30012581	CAP SMD 1NF 50V K R (0603)	AA	AB
	C304	30012607	CAP SMD 150PF 50V J (0603)	AA	AA
	C308	30012589	CAP SMD 4.7NF 50V K (0603)	AA	AB
	C327	30000109	CAP MKT 470NF 63V J	AA	AD
	C331	30012572	CAP SMD 390PF 50V J (0603)	AA	AA
	C333	30012579	CAP SMD 82PF 50V J (0603)	AA	AB
	C348	30000109	CAP MKT 470NF 63V J	AA	AD
	C349	30012581	CAP SMD 1NF 50V K R (0603)	AA	AB
	C350	30016654	CAP SMD 100NF 16V K R (0603)	AA	AB
	C351	30000345	CAP EL 10UF 50V M	AA	AB
	C352	30016654	CAP SMD 100NF 16V K R (0603)	AA	AB
	C353	30012581	CAP SMD 1NF 50V K R (0603)	AA	AB
	C355	30012603	CAP SMD 100NF 25V K R (0603)	AA	AB
	C356	30000109	CAP MKT 470NF 63V J	AA	AD
	C357	30000345	CAP EL 10UF 50V M	AA	AB
	C358	30000345	CAP EL 10UF 50V M	AA	AB
	C359	30012581	CAP SMD 1NF 50V K R (0603)	AA	AB
	C360	30012581	CAP SMD 1NF 50V K R (0603)	AA	AB
	C361	30012603	CAP SMD 100NF 25V K R (0603)	AA	AB
	C362	30012603	CAP SMD 100NF 25V K R (0603)	AA	AB
	C506	30000345	CAP EL 10UF 50V M	AA	AB
	C507	30000393	CAP EL 3.3UF 50V M	AA	AB
	C508	30000345	CAP EL 10UF 50V M	AA	AB
	C509	30016654	CAP SMD 100NF 16V K R (0603)	AA	AB
	C510	30016654	CAP SMD 100NF 16V K R (0603)	AA	AB

	REF No.	PARTS	DESCRIPTION	SN CODE	EX CODE
	C511	30016654	CAP SMD 100NF 16V K R (0603)	AA	AB
	C514	30016654	CAP SMD 100NF 16V K R (0603)	AA	AB
	C515	30016654	CAP SMD 100NF 16V K R (0603)	AA	AB
	C516	30016654	CAP SMD 100NF 16V K R (0603)	AA	AB
	C517	30016654	CAP SMD 100NF 16V K R (0603)	AA	AB
	C518	30016654	CAP SMD 100NF 16V K R (0603)	AA	AB
	C519	30016654	CAP SMD 100NF 16V K R (0603)	AA	AB
	C520	30012573	CAP SMD 47PF 50V J (0603)	AA	AB
	C521	30012573	CAP SMD 47PF 50V J (0603)	AA	AB
	C522	30000345	CAP EL 10UF 50V M	AA	AB
	C523	30000345	CAP EL 10UF 50V M	AA	AB
	C524	30000345	CAP EL 10UF 50V M	AA	AB
	C525	30000345	CAP EL 10UF 50V M	AA	AB
	C527	30016654	CAP SMD 100NF 16V K R (0603)	AA	AB
	C530	30000375	CAP EL 220UF 16V M	AA	AB
	C537	30016654	CAP SMD 100NF 16V K R (0603)	AA	AB
	C601	30000351	CAP EL 10UF 350V M	AA	AE
	C603	30000402	CAP EL 47UF 100V M	AA	AB
	C604	30000075	CAP MKT 100NF 250V K (DC)	AA	AD
	C605	30028072	CAP EL 100UF 200V M (HR)	AE	AQ
	C607	30012610	CAP SMD 10NF 50V J (0603)	AA	AB
	C608	30000409	CAP EL 470UF 25V M	AA	AD
	C609	30000082	CAP MKT 15NF 63V J	AA	AB
	C610	30000286	CAP CER 1NF 500V K B	AA	AB
	C612	30000348	CAP EL 10UF 160V M	AA	AB
	C613	30000360	CAP EL 1000UF 25V M	AA	AE
	C614	30000360	CAP EL 1000UF 25V M	AA	AE
	C616	30000151	CAP MKP 3.3NF 2KV %3.5	AB	AF
	C617	30000161	CAP MKP SAFE 47NF 630V J	AB	AE
	C618	30000444	CAP CER 470PF 1KV KB	AA	AB
	C619	30000367	CAP EL 1UF 250V M	AA	AB
⚠	C620	30000177	CAP MKP SAFE 820NF 250V J	AC	AK
⚠	C621	30000136	CAP MKP SAFE 12NF 2000V %3.5	AC	AG
	C622	30000137	CAP MKP 15NF 630V J	AC	AG
⚠	C623	30000156	CAP MKP SAFE 430NF 250V J	AB	AF
⚠	C624	30013003	CAP MKP SAFE 1UF 250V J P=15	AC	AG
	C628	30016126	CAP SMD 220NF 16V K R (0603)	AA	AB
	C630	30012603	CAP SMD 100NF 25V K R (0603)	AA	AB
	C631	30000296	CAP CER 100NF 100V Z F	AA	AB
	C632	30000074	CAP MKT 100NF 63V J	AA	AC
	C633	30012603	CAP SMD 100NF 25V K R (0603)	AA	AB
	C635	30012584	CAP SMD 1.8NF 50V K R (0603)	AA	AA
	C636	30009208	CAP CER 470PF 1KV K (PULSE)	AA	AC
	C637	30000332	CAP SMD 4.7NF 50V K (0805)	AA	AB
	C638	30000092	CAP MKT 220NF 63V J	AA	AD
	C643	30000092	CAP MKT 220NF 63V J	AA	AD
	C644	30012591	CAP SMD 5.6NF 50V K (0603)	AA	AA
	C645	30012591	CAP SMD 5.6NF 50V K (0603)	AA	AA
	C646	30000296	CAP CER 100NF 100V Z F	AA	AB
	C648	30000069	CAP MKT 1NF 100V J	AA	AC
	C700	30000352	CAP EL 100UF 16V M	AA	AB
	C701	30000345	CAP EL 10UF 50V M	AA	AB
	C702	30012583	CAP SMD 1.5NF 50V K (0603)	AA	AA
	C706	30012581	CAP SMD 1NF 50V K R (0603)	AA	AB
	C707	30016654	CAP SMD 100NF 16V K R (0603)	AA	AB
	C708	30000407	CAP EL 470UF 16V M	AA	AC
	C712	30012581	CAP SMD 1NF 50V K R (0603)	AA	AB
	C713	30012581	CAP SMD 1NF 50V K R (0603)	AA	AB
	C715	30012581	CAP SMD 1NF 50V K R (0603)	AA	AB
	C716	30016654	CAP SMD 100NF 16V K R (0603)	AA	AB
	C717	30000092	CAP MKT 220NF 63V J	AA	AD
	C718	30000092	CAP MKT 220NF 63V J	AA	AD
	C719	30016126	CAP SMD 220NF 16V K R (0603)	AA	AB
	C720	30000345	CAP EL 10UF 50V M	AA	AB
	C721	30012576	CAP SMD 56PF 50V J CH (0603)	AA	AA
	C722	30012576	CAP SMD 56PF 50V J CH (0603)	AA	AA

	REF No.	PARTS	DESCRIPTION	SN CODE	EX CODE
	C724	30000345	CAP EL 10UF 50V M	AA	AB
	C725	30016654	CAP SMD 100NF 16V K R (0603)	AA	AB
	C728	30012581	CAP SMD 1NF 50V K R (0603)	AA	AB
	C729	30016126	CAP SMD 220NF 16V K R (0603)	AA	AB
	C730	30016126	CAP SMD 220NF 16V K R (0603)	AA	AB
	C731	30012583	CAP SMD 1.5NF 50V K (0603)	AA	AA
	C732	30012581	CAP SMD 1NF 50V K R (0603)	AA	AB
	C733	30016126	CAP SMD 220NF 16V K R (0603)	AA	AB
	C734	30016654	CAP SMD 100NF 16V K R (0603)	AA	AB
	C735	30000393	CAP EL 3.3UF 50V M	AA	AB
	C736	30000345	CAP EL 10UF 50V M	AA	AB
	C737	30000345	CAP EL 10UF 50V M	AA	AB
	C738	30012576	CAP SMD 56PF 50V J CH (0603)	AA	AA
	C739	30000345	CAP EL 10UF 50V M	AA	AB
	C740	30012581	CAP SMD 1NF 50V K R (0603)	AA	AB
	C741	30012581	CAP SMD 1NF 50V K R (0603)	AA	AB
	C742	30012565	CAP SMD 1.8PF 50V J CH (0603)	AA	AA
	C743	30012565	CAP SMD 1.8PF 50V J CH (0603)	AA	AA
	C744	30000345	CAP EL 10UF 50V M	AA	AB
	C745	30012581	CAP SMD 1NF 50V K R (0603)	AA	AB
	C746	30012581	CAP SMD 1NF 50V K R (0603)	AA	AB
	C747	30012581	CAP SMD 1NF 50V K R (0603)	AA	AB
	C748	30012583	CAP SMD 1.5NF 50V K (0603)	AA	AA
	C749	30012581	CAP SMD 1NF 50V K R (0603)	AA	AB
	C750	30012581	CAP SMD 1NF 50V K R (0603)	AA	AB
	C751	30012581	CAP SMD 1NF 50V K R (0603)	AA	AB
	C754	30000352	CAP EL 100UF 16V M	AA	AB
	C763	30016126	CAP SMD 220NF 16V K R (0603)	AA	AB
	C764	30012567	CAP SMD 220PF 50V J (0603)	AA	AB
	C765	30016654	CAP SMD 100NF 16V K R (0603)	AA	AB
	C767	30016126	CAP SMD 220NF 16V K R (0603)	AA	AB
	C769	30000345	CAP EL 10UF 50V M	AA	AB
	C771	30000345	CAP EL 10UF 50V M	AA	AB
	C772	30000345	CAP EL 10UF 50V M	AA	AB
	C774	30012567	CAP SMD 220PF 50V J (0603)	AA	AB
	C775	30012585	CAP SMD 2.2NF 50V K R (0603)	AA	AB
	C776	30000352	CAP EL 100UF 16V M	AA	AB
	C779	30012581	CAP SMD 1NF 50V K R (0603)	AA	AB
	C781	30012590	CAP SMD 47NF 50V K (0603)	AA	AA
	C782	30000352	CAP EL 100UF 16V M	AA	AB
	C783	30012590	CAP SMD 47NF 50V K (0603)	AA	AA
	C784	30000362	CAP EL 1UF 50V M	AA	AB
	C785	30012585	CAP SMD 2.2NF 50V K R (0603)	AA	AB
	C786	30012581	CAP SMD 1NF 50V K R (0603)	AA	AB
	C789	30000362	CAP EL 1UF 50V M	AA	AB
	C791	30000362	CAP EL 1UF 50V M	AA	AB
	C793	30012581	CAP SMD 1NF 50V K R (0603)	AA	AB
	C794	30012581	CAP SMD 1NF 50V K R (0603)	AA	AB
	C795	30012585	CAP SMD 2.2NF 50V K R (0603)	AA	AB
	C796	30012585	CAP SMD 2.2NF 50V K R (0603)	AA	AB
	C803	30012573	CAP SMD 47PF 50V J (0603)	AA	AB
	C808	30000345	CAP EL 10UF 50V M	AA	AB
	C809	30000409	CAP EL 470UF 25V M	AA	AD
	C810	30012574	CAP SMD 470PF 50V J (0603)	AA	AA
	C811	30012574	CAP SMD 470PF 50V J (0603)	AA	AA
	C900	30000075	CAP MKT 100NF 250V K (DC)	AA	AD
	C902	30000415	CAP EL 4.7UF 250V M	AA	AC
	C904	30000287	CAP CER 10NF 50V K B	AA	AA
	C905	30000350	CAP EL 10UF 250V M	AA	AD
	C906	30000075	CAP MKT 100NF 250V K (DC)	AA	AD
	C908	30000438	CAP CER 2.2NF 2KV	AA	AD
	C909	30000359	CAP EL 1000UF 16V M	AA	AC
	C910	30000294	CAP SMD 100NF 50V K (0805)	AA	AB
	C913	30000294	CAP SMD 100NF 50V K (0805)	AA	AB
	C914	30012577	CAP SMD 560PF 50V J (0603)	AA	AA
	C915	30000407	CAP EL 470UF 16V M	AA	AC

	REF No.	PARTS	DESCRIPTION	SN CODE	EX CODE
	C916	30000352	CAP EL 100UF 16V M	AA	AB
	C918	30012577	CAP SMD 560PF 50V J (0603)	AA	AA
	C919	30012577	CAP SMD 560PF 50V J (0603)	AA	AA
	C920	30012577	CAP SMD 560PF 50V J (0603)	AA	AA
	C921	30000294	CAP SMD 100NF 50V K (0805)	AA	AB
	C931	30000075	CAP MKT 100NF 250V K (DC)	AA	AD
	C932	30000367	CAP EL 1UF 250V M	AA	AB
	C934	30012603	CAP SMD 100NF 25V K R (0603)	AA	AB
			RESISTORS		
	R100	30000689	RES CF 1/4W 3.9K J	AA	AB
	R100	30000594	RES CF 1/4W 22K J	AA	AB
	R100	30000718	RES CF 1/4W 4.7K J	AA	AB
	R101	30000526	RES CF 1/4W 1.5K J	AA	AB
	R101	30000712	RES CF 1/4W 470R J	AA	AB
	R101	30000896	RES MF 1/4W 160K G	AA	AA
	R102	30000770	RES CF 1/4W 680R J	AA	AB
	R102	30000594	RES CF 1/4W 22K J	AA	AB
	R103	30000712	RES CF 1/4W 470R J	AA	AB
	R103	30000712	RES CF 1/4W 470R J	AA	AB
	R104	30000580	RES CF 1/4W 22R J	AA	AB
	R104	30000650	RES CF 1/4W 33R J	AA	AB
	R105	30000580	RES CF 1/4W 22R J	AA	AB
	R105	30000650	RES CF 1/4W 33R J	AA	AB
	R105	30000982	RES MF 1/4W 4.7K J	AA	AA
	R106	30000471	RES CF 1/4W 10K J	AA	AB
	R106	30000471	RES CF 1/4W 10K J	AA	AB
	R106	30000593	RES SMD 1/10W 2.2K J (0805)	AA	AB
	R107	30000580	RES CF 1/4W 22R J	AA	AB
	R107	30000551	RES CF 1/4W 18R J	AA	AB
	R108	30000471	RES CF 1/4W 10K J	AA	AB
	R108	30000452	RES CF 1/4W 10R J	AA	AB
	R109	30000551	RES CF 1/4W 18R J	AA	AB
	R110	30012657	RES SMD 1/16W 1K J (0603)	AA	AB
	R112	30012657	RES SMD 1/16W 1K J (0603)	AA	AB
	R116	30001173	RES MO 1W 0.47R J	AA	AB
⚠	R117	30001257	RES MG SAFE 1/2W 4.7M J	AA	AD
	R118	30000580	RES CF 1/4W 22R J	AA	AB
	R119	30012641	RES SMD 1/16W 10K J (0603)	AA	AB
	R122	30014022	RES SMD 1/16W 47R J (0603)	AA	AA
	R126	30012641	RES SMD 1/16W 10K J (0603)	AA	AB
	R127	30012692	RES SMD 1/16W 4.7K J (0603)	AA	AB
	R129	30012692	RES SMD 1/16W 4.7K J (0603)	AA	AB
	R130	30012641	RES SMD 1/16W 10K J (0603)	AA	AB
	R131	30000886	RES MF 1/4W 1.5K F	AA	AB
	R132	30000886	RES MF 1/4W 1.5K F	AA	AB
	R133	30000880	RES MF 1/4W 130K F	AA	AA
	R134	30000575	RES SMD 1/10W 2K J	AA	AB
	R137	30000481	RES CF 1/4W 1M J	AA	AB
	R138	30000660	RES CF 1/4W 3.3K J	AA	AB
	R139	30000593	RES SMD 1/10W 2.2K J (0805)	AA	AB
	R140	30001174	RES MO 2W 0.47R J	AA	AB
	R141	30012641	RES SMD 1/16W 10K J (0603)	AA	AB
	R142	30012657	RES SMD 1/16W 1K J (0603)	AA	AB
	R143	30020455	RES SMD 1/16W 1.5K F (0603)	AA	AA
	R144	30000480	RES SMD 1/10W 100K J (0805)	AA	AB
	R145	30020457	RES SMD 1/16W 910R F (0603)	AA	AA
	R146	30012697	RES SMD 1/16W 5.1K J (0603)	AA	AA
	R147	30020455	RES SMD 1/16W 1.5K F (0603)	AA	AA
	R148	30020457	RES SMD 1/16W 910R F (0603)	AA	AA
	R149	30012657	RES SMD 1/16W 1K J (0603)	AA	AB
	R150	30000466	RES CF 1/4W 1K J	AA	AB
	R151	30012641	RES SMD 1/16W 10K J (0603)	AA	AB
	R153	30012692	RES SMD 1/16W 4.7K J (0603)	AA	AB
	R154	30012641	RES SMD 1/16W 10K J (0603)	AA	AB
	R155	30012641	RES SMD 1/16W 10K J (0603)	AA	AB
	R156	30012641	RES SMD 1/16W 10K J (0603)	AA	AB

	REF No.	PARTS	DESCRIPTION	SN CODE	EX CODE
	R157	30012641	RES SMD 1/16W 10K J (0603)	AA	AB
	R158	30012657	RES SMD 1/16W 1K J (0603)	AA	AB
	R161	30012657	RES SMD 1/16W 1K J (0603)	AA	AB
	R162	30000494	RES SMD 1/10W 120R J (0805)	AA	AB
	R164	30000593	RES SMD 1/10W 2.2K J (0805)	AA	AB
	R165	30001159	RES MO 1W 0.33R J	AA	AB
	R166	30012641	RES SMD 1/16W 10K J (0603)	AA	AB
⚠	R167	30018085	CAP VAR SAFE 510V K MFCN14D511	AA	AD
⚠	R168	30018085	CAP VAR SAFE 510V K MFCN14D511	AA	AD
	R200	30012713	RES SMD 1/16W 75R J (0603)	AA	AB
	R201	30012713	RES SMD 1/16W 75R J (0603)	AA	AB
	R202	30012713	RES SMD 1/16W 75R J (0603)	AA	AB
	R203	30012713	RES SMD 1/16W 75R J (0603)	AA	AB
	R204	30012713	RES SMD 1/16W 75R J (0603)	AA	AB
	R205	30012713	RES SMD 1/16W 75R J (0603)	AA	AB
	R206	30000459	RES CF 1/4W 100R J	AA	AB
	R207	30000459	RES CF 1/4W 100R J	AA	AB
	R208	30012510	RES SMD 1/16W 100R J (0603)	AA	AB
	R209	30012510	RES SMD 1/16W 100R J (0603)	AA	AB
	R210	30012662	RES SMD 1/16W 2.7K J (0603)	AA	AB
	R211	30012692	RES SMD 1/16W 4.7K J (0603)	AA	AB
	R215	30012713	RES SMD 1/16W 75R J (0603)	AA	AB
	R217	30012641	RES SMD 1/16W 10K J (0603)	AA	AB
	R219	30000792	RES CF 1/4W 75R J	AA	AB
	R220	30012641	RES SMD 1/16W 10K J (0603)	AA	AB
	R221	30000792	RES CF 1/4W 75R J	AA	AB
	R222	30012641	RES SMD 1/16W 10K J (0603)	AA	AB
	R230	30012641	RES SMD 1/16W 10K J (0603)	AA	AB
	R231	30000792	RES CF 1/4W 75R J	AA	AB
	R232	30012713	RES SMD 1/16W 75R J (0603)	AA	AB
	R233	30012657	RES SMD 1/16W 1K J (0603)	AA	AB
	R234	30012702	RES SMD 1/16W 560R J (0603)	AA	AA
	R235	30000655	RES CF 1/4W 330R J	AA	AB
	R236	30012713	RES SMD 1/16W 75R J (0603)	AA	AB
	R237	30012641	RES SMD 1/16W 10K J (0603)	AA	AB
	R238	30012641	RES SMD 1/16W 10K J (0603)	AA	AB
	R239	30012713	RES SMD 1/16W 75R J (0603)	AA	AB
	R241	30012510	RES SMD 1/16W 100R J (0603)	AA	AB
	R242	30012696	RES SMD 1/16W 47K J (0603)	AA	AB
	R247	30000500	RES CF 1/4W 12K J	AA	AB
	R248	30012641	RES SMD 1/16W 10K J (0603)	AA	AB
	R254	30012657	RES SMD 1/16W 1K J (0603)	AA	AB
	R256	30012655	RES SMD 1/16W 180R J (0603)	AA	AA
	R259	30000593	RES SMD 1/10W 2.2K J (0805)	AA	AB
	R260	30012669	RES SMD 1/16W 22K J (0603)	AA	AB
	R261	30012677	RES SMD 1/16W 3.3K J (0603)	AA	AA
	R265	30000459	RES CF 1/4W 100R J	AA	AB
	R266	30000459	RES CF 1/4W 100R J	AA	AB
	R267	30012657	RES SMD 1/16W 1K J (0603)	AA	AB
	R268	30012641	RES SMD 1/16W 10K J (0603)	AA	AB
	R269	30012641	RES SMD 1/16W 10K J (0603)	AA	AB
	R270	30012641	RES SMD 1/16W 10K J (0603)	AA	AB
	R272	30012713	RES SMD 1/16W 75R J (0603)	AA	AB
	R274	30012702	RES SMD 1/16W 560R J (0603)	AA	AA
	R276	30000593	RES SMD 1/10W 2.2K J (0805)	AA	AB
	R277	30012679	RES SMD 1/16W 3.9K J (0603)	AA	AB
	R278	30012713	RES SMD 1/16W 75R J (0603)	AA	AB
	R279	30012713	RES SMD 1/16W 75R J (0603)	AA	AB
	R280	30012713	RES SMD 1/16W 75R J (0603)	AA	AB
	R281	30012673	RES SMD 1/16W 270R J (0603)	AA	AB
	R282	30012668	RES SMD 1/16W 220R J (0603)	AA	AA
	R283	30012707	RES SMD 1/16W 680R J (0603)	AA	AB
	R284	30012684	RES SMD 1/16W 330R J (0603)	AA	AA
	R285	30012707	RES SMD 1/16W 680R J (0603)	AA	AB
	R286	30012707	RES SMD 1/16W 680R J (0603)	AA	AB
	R288	30000770	RES CF 1/4W 680R J	AA	AB

REF No.	PARTS	DESCRIPTION	SN CODE	EX CODE
R289	30012707	RES SMD 1/16W 680R J (0603)	AA	AB
R299	30012510	RES SMD 1/16W 100R J (0603)	AA	AB
R308	30012641	RES SMD 1/16W 10K J (0603)	AA	AB
R310	30012713	RES SMD 1/16W 75R J (0603)	AA	AB
R316	30012641	RES SMD 1/16W 10K J (0603)	AA	AB
R317	30000792	RES CF 1/4W 75R J	AA	AB
R318	30012657	RES SMD 1/16W 1K J (0603)	AA	AB
R326	30000815	RES CF 1/4W 8.2K J	AA	AB
R327	30000480	RES SMD 1/10W 100K J (0805)	AA	AB
R330	30012657	RES SMD 1/16W 1K J (0603)	AA	AB
R334	30012713	RES SMD 1/16W 75R J (0603)	AA	AB
R336	30000466	RES CF 1/4W 1K J	AA	AB
R337	30000466	RES CF 1/4W 1K J	AA	AB
R338	30000466	RES CF 1/4W 1K J	AA	AB
R342	30012657	RES SMD 1/16W 1K J (0603)	AA	AB
R343	30012692	RES SMD 1/16W 4.7K J (0603)	AA	AB
R349	30012641	RES SMD 1/16W 10K J (0603)	AA	AB
R350	30012510	RES SMD 1/16W 100R J (0603)	AA	AB
R351	30012510	RES SMD 1/16W 100R J (0603)	AA	AB
R352	30012698	RES SMD 1/16W 5.6K J (0603)	AA	AB
R353	30012685	RES SMD 1/16W 33K J (0603)	AA	AA
R354	30012677	RES SMD 1/16W 3.3K J (0603)	AA	AA
R355	30012643	RES SMD 1/16W 120R J (0603)	AA	AA
R356	30012707	RES SMD 1/16W 680R J (0603)	AA	AB
R357	30012644	RES SMD 1/16W 12K J (0603)	AA	AB
R358	30012655	RES SMD 1/16W 180R J (0603)	AA	AA
R359	30012669	RES SMD 1/16W 22K J (0603)	AA	AB
R400	30012669	RES SMD 1/16W 22K J (0603)	AA	AB
R404	30012692	RES SMD 1/16W 4.7K J (0603)	AA	AB
R406	30012650	RES SMD 1/16W 15K J (0603)	AA	AB
R409	30012713	RES SMD 1/16W 75R J (0603)	AA	AB
R411	30012657	RES SMD 1/16W 1K J (0603)	AA	AB
R412	30012657	RES SMD 1/16W 1K J (0603)	AA	AB
R413	30012713	RES SMD 1/16W 75R J (0603)	AA	AB
R414	30012713	RES SMD 1/16W 75R J (0603)	AA	AB
R415	30012679	RES SMD 1/16W 3.9K J (0603)	AA	AB
R416	30012695	RES SMD 1/16W 470R J (0603)	AA	AB
R417	30012695	RES SMD 1/16W 470R J (0603)	AA	AB
R418	30012695	RES SMD 1/16W 470R J (0603)	AA	AB
R419	30012695	RES SMD 1/16W 470R J (0603)	AA	AB
R420	30012695	RES SMD 1/16W 470R J (0603)	AA	AB
R421	30012695	RES SMD 1/16W 470R J (0603)	AA	AB
R422	30012695	RES SMD 1/16W 470R J (0603)	AA	AB
R423	30012695	RES SMD 1/16W 470R J (0603)	AA	AB
R424	30012695	RES SMD 1/16W 470R J (0603)	AA	AB
R425	30012695	RES SMD 1/16W 470R J (0603)	AA	AB
R426	30012695	RES SMD 1/16W 470R J (0603)	AA	AB
R427	30012661	RES SMD 1/16W 2.4K J (0603)	AA	AA
R428	30012510	RES SMD 1/16W 100R J (0603)	AA	AB
R429	30012510	RES SMD 1/16W 100R J (0603)	AA	AB
R430	30012510	RES SMD 1/16W 100R J (0603)	AA	AB
R503	30012510	RES SMD 1/16W 100R J (0603)	AA	AB
R504	30012510	RES SMD 1/16W 100R J (0603)	AA	AB
R505	30000471	RES CF 1/4W 10K J	AA	AB
R506	30000471	RES CF 1/4W 10K J	AA	AB
R507	30012696	RES SMD 1/16W 47K J (0603)	AA	AB
R508	30012696	RES SMD 1/16W 47K J (0603)	AA	AB
R509	30012696	RES SMD 1/16W 47K J (0603)	AA	AB
R510	30012696	RES SMD 1/16W 47K J (0603)	AA	AB
R512	30012668	RES SMD 1/16W 220R J (0603)	AA	AA
R513	30012662	RES SMD 1/16W 2.7K J (0603)	AA	AB
R516	30012692	RES SMD 1/16W 4.7K J (0603)	AA	AB
R518	30012662	RES SMD 1/16W 2.7K J (0603)	AA	AB
R519	30000466	RES CF 1/4W 1K J	AA	AB
R520	30012650	RES SMD 1/16W 15K J (0603)	AA	AB
R521	30012679	RES SMD 1/16W 3.9K J (0603)	AA	AB

REF No.	PARTS	DESCRIPTION	SN CODE	EX CODE
R522	30012692	RES SMD 1/16W 4.7K J (0603)	AA	AB
R523	30012712	RES SMD 1/16W 8.2K J (0603)	AA	AB
R524	30012679	RES SMD 1/16W 3.9K J (0603)	AA	AB
R526	30012679	RES SMD 1/16W 3.9K J (0603)	AA	AB
R527	30012679	RES SMD 1/16W 3.9K J (0603)	AA	AB
R528	30012650	RES SMD 1/16W 15K J (0603)	AA	AB
R533	30012685	RES SMD 1/16W 33K J (0603)	AA	AA
R535	30012641	RES SMD 1/16W 10K J (0603)	AA	AB
R537	30000466	RES CF 1/4W 1K J	AA	AB
R538	30012508	RES SMD 1/16W 1.8K J (0603)	AA	AB
R539	30012508	RES SMD 1/16W 1.8K J (0603)	AA	AB
R540	30012508	RES SMD 1/16W 1.8K J (0603)	AA	AB
R541	30012662	RES SMD 1/16W 2.7K J (0603)	AA	AB
R548	30012641	RES SMD 1/16W 10K J (0603)	AA	AB
R549	30012657	RES SMD 1/16W 1K J (0603)	AA	AB
R550	30012679	RES SMD 1/16W 3.9K J (0603)	AA	AB
R553	30012695	RES SMD 1/16W 470R J (0603)	AA	AB
R554	30012692	RES SMD 1/16W 4.7K J (0603)	AA	AB
R555	30012506	RES SMD 1/16W 1.5K J (0603)	AA	AB
R561	30012510	RES SMD 1/16W 100R J (0603)	AA	AB
R564	30012692	RES SMD 1/16W 4.7K J (0603)	AA	AB
R565	30012510	RES SMD 1/16W 100R J (0603)	AA	AB
R566	30012641	RES SMD 1/16W 10K J (0603)	AA	AB
R567	30000459	RES CF 1/4W 100R J	AA	AB
R568	30000459	RES CF 1/4W 100R J	AA	AB
R571	30012657	RES SMD 1/16W 1K J (0603)	AA	AB
R582	30012641	RES SMD 1/16W 10K J (0603)	AA	AB
R585	30012641	RES SMD 1/16W 10K J (0603)	AA	AB
R586	30012641	RES SMD 1/16W 10K J (0603)	AA	AB
R587	30012641	RES SMD 1/16W 10K J (0603)	AA	AB
R588	30012641	RES SMD 1/16W 10K J (0603)	AA	AB
R589	30012641	RES SMD 1/16W 10K J (0603)	AA	AB
R590	30012679	RES SMD 1/16W 3.9K J (0603)	AA	AB
R591	30012711	RES SMD 1/16W 75K J (0603)	AA	AA
R600	30012510	RES SMD 1/16W 100R J (0603)	AA	AB
R601	30000470	RES CF 1/2W 10K J	AA	AA
⚠ R603	30001242	RES FUSE 1/4W 47R J	AA	AB
R603+	30006712	FERRITE BEAD 3.5X4.7X0.8	AA	AB
⚠ R604	30001244	RES FUSE SAFE 1/2W 0.47R J	AA	AB
R605	30000927	RES MF 1/4W 220K J	AA	AB
R607	30012695	RES SMD 1/16W 470R J (0603)	AA	AB
R608	30001100	RES MO 1W 150R J	AA	AB
⚠ R611	30001244	RES FUSE SAFE 1/2W 0.47R J	AA	AB
R612	30000471	RES CF 1/4W 10K J	AA	AB
⚠ R613	30001234	RES FUSE 2W 33R J	AA	AC
⚠ R614	30001244	RES FUSE SAFE 1/2W 0.47R J	AA	AB
R616	30018904	RES MO 5W 4.7k J	AA	AD
⚠ R618	30001233	RES FUSE SAFE 1W 2.7R J	AA	AB
R621	30012696	RES SMD 1/16W 47K J (0603)	AA	AB
R622	30012696	RES SMD 1/16W 47K J (0603)	AA	AB
R623	30012641	RES SMD 1/16W 10K J (0603)	AA	AB
R624	30012692	RES SMD 1/16W 4.7K J (0603)	AA	AB
R625	30000480	RES SMD 1/10W 100K J (0805)	AA	AB
R626	30012692	RES SMD 1/16W 4.7K J (0603)	AA	AB
R627	30000480	RES SMD 1/10W 100K J (0805)	AA	AB
R628	30012657	RES SMD 1/16W 1K J (0603)	AA	AB
R629	30012674	RES SMD 1/16W 27K J (0603)	AA	AB
R630	30000872	RES MF 1/4W 120K F	AA	AA
R631	30000872	RES MF 1/4W 120K F	AA	AA
R632	30014465	RES SMD 1/16W 2.7K F (603)	AA	AA
R636	30012641	RES SMD 1/16W 10K J (0603)	AA	AB
R637	30012657	RES SMD 1/16W 1K J (0603)	AA	AB
R638	30012674	RES SMD 1/16W 27K J (0603)	AA	AB
R639	30001162	RES MO 1W 390R J	AA	AB
R640	30001134	RES MO 2W 2.2R J	AA	AB
R641	30000965	RES MF 1/2W 0.33R J	AA	AA

	REF No.	PARTS	DESCRIPTION	SN CODE	EX CODE
	R644	30000649	RES CF 1/2W 33R J	AA	AB
	R645	30000580	RES CF 1/4W 22R J	AA	AB
	R646	30012654	RES SMD 1/16W 180K J (0603)	AG	AS
	R647	30012650	RES SMD 1/16W 15K J (0603)	AA	AB
	R648	30012658	RES SMD 1/16W 1M J (0603)	AA	AA
⚠	R649	30001228	RES FUSE SAFE 1/2W 2.2R J	AA	AB
	R650	30001082	RES MO 1/2W 1K J	AA	AB
	R652	30000848	RES MF 1/4W 1K F	AA	AB
	R653	30012509	RES SMD 1/16W 100K J (0603)	AA	AB
	R654	30012708	RES SMD 1/16W 68K J (0603)	AA	AA
	R655	30012674	RES SMD 1/16W 27K J (0603)	AA	AB
	R656	30012641	RES SMD 1/16W 10K J (0603)	AA	AB
	R657	30000466	RES CF 1/4W 1K J	AA	AB
	R658	30000466	RES CF 1/4W 1K J	AA	AB
	R700	30012695	RES SMD 1/16W 470R J (0603)	AA	AB
	R701	30012695	RES SMD 1/16W 470R J (0603)	AA	AB
	R702	30012657	RES SMD 1/16W 1K J (0603)	AA	AB
	R703	30012510	RES SMD 1/16W 100R J (0603)	AA	AB
	R704	30012510	RES SMD 1/16W 100R J (0603)	AA	AB
	R705	30012510	RES SMD 1/16W 100R J (0603)	AA	AB
	R710	30012657	RES SMD 1/16W 1K J (0603)	AA	AB
	R713	30012510	RES SMD 1/16W 100R J (0603)	AA	AB
	R714	30012510	RES SMD 1/16W 100R J (0603)	AA	AB
	R715	30012657	RES SMD 1/16W 1K J (0603)	AA	AB
	R718	30012657	RES SMD 1/16W 1K J (0603)	AA	AB
	R719	30012657	RES SMD 1/16W 1K J (0603)	AA	AB
	R723	30000459	RES CF 1/4W 100R J	AA	AB
	R724	30012510	RES SMD 1/16W 100R J (0603)	AA	AB
	R725	30012657	RES SMD 1/16W 1K J (0603)	AA	AB
	R726	30012657	RES SMD 1/16W 1K J (0603)	AA	AB
	R742	30012692	RES SMD 1/16W 4.7K J (0603)	AA	AB
	R746	30012692	RES SMD 1/16W 4.7K J (0603)	AA	AB
	R747	30012641	RES SMD 1/16W 10K J (0603)	AA	AB
	R749	30012709	RES SMD 1/16W 7.5K J (0603)	AA	AA
	R753	30014076	RES SMD 1/16W 4.7R J (0603)	AA	AA
	R754	30012709	RES SMD 1/16W 7.5K J (0603)	AA	AA
	R755	30014076	RES SMD 1/16W 4.7R J (0603)	AA	AA
	R756	30012641	RES SMD 1/16W 10K J (0603)	AA	AB
	R759	30012712	RES SMD 1/16W 8.2K J (0603)	AA	AB
	R760	30012702	RES SMD 1/16W 560R J (0603)	AA	AA
	R762	30012712	RES SMD 1/16W 8.2K J (0603)	AA	AB
	R763	30012702	RES SMD 1/16W 560R J (0603)	AA	AA
	R765	30012669	RES SMD 1/16W 22K J (0603)	AA	AB
	R766	30012669	RES SMD 1/16W 22K J (0603)	AA	AB
	R793	30012657	RES SMD 1/16W 1K J (0603)	AA	AB
	R794	30012657	RES SMD 1/16W 1K J (0603)	AA	AB
	R815	30012644	RES SMD 1/16W 12K J (0603)	AA	AB
	R817	30012641	RES SMD 1/16W 10K J (0603)	AA	AB
	R818	30000723	RES CF 1/4W 47K J	AA	AB
	R819	30012679	RES SMD 1/16W 3.9K J (0603)	AA	AB
	R820	30012696	RES SMD 1/16W 47K J (0603)	AA	AB
	R900	30000788	RES CF 1/4W 6.8M J	AA	AB
	R901	30000459	RES CF 1/4W 100R J	AA	AB
	R902	30000459	RES CF 1/4W 100R J	AA	AB
	R903	30000459	RES CF 1/4W 100R J	AA	AB
	R904	30000535	RES CF 1/2W 150K J	AA	AB
	R905	30000477	RES CF 1/4W 100K J	AA	AB
	R906	30000477	RES CF 1/4W 100K J	AA	AB
	R907	30023197	RES CC 1W 1.5K K	AA	AD
	R908	30023197	RES CC 1W 1.5K K	AA	AD
	R909	30000477	RES CF 1/4W 100K J	AA	AB
	R910	30023197	RES CC 1W 1.5K K	AA	AD
	R911	30000466	RES CF 1/4W 1K J	AA	AB
	R912	30000458	RES CF 1/2W 100R J	AA	AB
	R913	30021483	RES CC 1W 2.2K K	AA	AD
	R914	30000459	RES CF 1/4W 100R J	AA	AB

	REF No.	PARTS	DESCRIPTION	SN CODE	EX CODE
	R915	30012649	RES SMD 1/16W 150R J (0603)	AA	AB
	R916	30014128	RES SMD 1/16W 33R J (0603)	AA	AB
	R917	30000583	RES CF 1/4W 220R J	AA	AB
	R919	30012644	RES SMD 1/16W 12K J (0603)	AA	AB
	R920	30012698	RES SMD 1/16W 5.6K J (0603)	AA	AB
	R921	30012649	RES SMD 1/16W 150R J (0603)	AA	AB
	R922	30014128	RES SMD 1/16W 33R J (0603)	AA	AB
	R923	30000583	RES CF 1/4W 220R J	AA	AB
	R925	30012649	RES SMD 1/16W 150R J (0603)	AA	AB
	R926	30014128	RES SMD 1/16W 33R J (0603)	AA	AB
	R927	30000583	RES CF 1/4W 220R J	AA	AB
	R928	30012510	RES SMD 1/16W 100R J (0603)	AA	AB
	R930	30000477	RES CF 1/4W 100K J	AA	AB
	R931	30012667	RES SMD 1/16W 220K J (0603)	AA	AB
	R932	30012707	RES SMD 1/16W 680R J (0603)	AA	AB
	R933	30012707	RES SMD 1/16W 680R J (0603)	AA	AB
			PRINTED WIRING BOARD MODULES		
	.	20155578	CHS.ASSY.45-317D22514121121C1125L (29LF92EC Mother Unit)	BP	CE
	.	20155579	CHS.ASSY.45-317C21514121121C1125L (29LF92EIT Mother Unit)	BP	CE
	.	20160076	CRT B.ASSY.TP45B-5-SI.FOC.(AK45)SHARP(RF (CRT Unit)	AR	BB
	.	20154617	MD.ASY.FAV107-2962 STR. (AK45) (Front AV Unit)	AM	AY
	.	20153523	MD.ASY.SB119-3 LED+TK 2962 (AK45) (Front SW Unit)	AM	AY
			OWNERS MANUAL		
	.	50053219	I/B SHARP 29LF92EC P/AK45/1548/EPMÇSRR	AG	AT
	.	50053294	I/B SHARP 29LF92E(IT) P/AK45/1548/ITA	AB	AF
			29LF92EC MISCELLANEOUS PARTS		
	.	20168548	LBL.CART.BOX SHARP 29LF92EC "45"	AA	AC
	.	20168550	LBL.BCK.CVR.SHA.EL.SHARP 29LF92EC"45"ENG	AA	AC
			29LF92EIT MISCELLANEOUS PARTS		
	.	50053310	WARRANTY APPROVAL SHARP 29LF92E(IT)	AA	AA
	.	50053312	FREQU./CHAN.TABLE SHARP 29LF92E(IT)(AK45	AA	AB
	.	20168627	LBL.CART.BOX SHARP 29LF92E(IT) "45"	AA	AC
	.	50053313	LABEL APPROVAL SHARP 29LF92E(IT)AK45	AA	AC
	.	20168629	LBL.BCK.CVR.SHA.EL.SHARP 29LF92E"45"	AA	AC
			COMMON MISCELLANEOUS PARTS		
	.	30001862	SOCKET IC 52P (SHRINK) (IC500)	AF	AQ
⚠	.	20146961	BACK CVR.2962 EKO2GRAY (I)	AT	BE
⚠	.	30028208	POWER CORD SAFE EURO 2.2M SHARP W/FILTER	AG	AT
	.	20152919	SNOW BOX ASSY 2962	AH	AV
	.	20146958	SNOW BOX TOP 2962	AE	AP
	.	20146959	SNOW BOX BOTTOM 2962	AE	AP
	.	20152921	BUTTON ASSY 2962 (M88/P)	AD	AM
	.	20155351	BUTTON FUNCTION 2962 (M88/P)	AB	AF
	.	35000013	SPRING ON/OFF SWITCH	AA	AB
	.	40017674	LED LENS PRE-AMP XX64W (I)	AA	AD
	.	20108124	BACK DOOR AK45/52 (I)	AC	AH
	.	35000212	SCREW S C ZNSY YSMB 2.9*13	AA	AB
	.	35000217	SCREW S C SYF YFMB 3.5*9.5	AA	AB
	.	35005051	SCREW P C ZN RYSM 4x16 (HITACHI) (R:16)	AA	AB
	.	35005084	SCREW C ZN RYAKB 6x30	AA	AB
	.	35005418	SCREW P C ZN YSB 3.5x10 (KN1031 T35X10)	AA	AA
	.	35008089	SCREW P C ZN YSMB 4*10	AA	AA
	.	35008191	SCREW P C ZN YSMB 3*12	AA	AA
	.	35009300	SCREW P C ZN FYSB 4X16 (D:11)	AA	AB
	.	35010702	SCREW P C ZN YSB 4x20 (BEYAZ)	AA	AA
	.	40000026	EJECTOR CLIP-CLAP	AC	AH
	.	30013905	CNAS 2P/900 DIS W/BLKC+FER UL2547 AWG24	AB	AG
	.	30027382	SPEAKER 7R 12W F/R 60x120MM-28&32" SHARP	AE	AP
	.	40016872	SPEAKER BRACKET 286XW	AA	AE
	.	35000136	FUSE HOLDER TK79-A (GRAY)	AA	AD
⚠	.	20155349	FRONT 2962 W/H SLV285S/M88(P)(PW/2U/S)	AT	BE

	REF No.	PARTS	DESCRIPTION	SN CODE	EX CODE
	.	20155352	CONTROL PANEL DOOR 2962 (M88/P)	AC	AH
	.	20147023	BRACKET BF 2962 (I)	AA	AA
	.	35008850	METAL WASHER XX6XW (SHARP)	AA	AB
	.	35008850	METAL WASHER XX6XW (SHARP)	AA	AB
	.	35009382	METAL WASHER (1.5x20) (SHARP)	AA	AA
	.	35009471	METAL BRACKET_2962	AC	AK
	.	40006731	ISOLATION COTTON (9x25000mm)	AA	AC
	.	40016134	SPONGE SPEAKER BRACKET(2")	AA	AC
	.	40017363	CABLE HOLDER 2162_SF SHARP	AA	AC
	.	40018111	CABLE HOLDER(WIRE CLIP TA10-3)	AA	AC
	.	40018612	RUBBER HOLDER_3.6 X 10 X 8.5	AA	AD
	.	70000331	ADHESIVE TAPE 75MM/660M (4125)	AA	AB
	.	30018087	CNAS 2P/350 TRFPFC DIS W/C	AA	AE
	.	35000217	SCREW S C SYF YFMB 3.5*9.5	AA	AB
	.	30000225	CAP CER 220PF 50V J SL	AA	AB
⚠	.	20140466	BRACKET CHS XX62-64W (I) V.0	AD	AM
	.	30000285	CAP CER 1NF 100V KB	AA	AA
	.	30007728	CABLE 1P R2.6 50 W/CLIPS	AA	AC
	.	30000285	CAP CER 1NF 100V KB	AA	AA
	.	30017312	CABL 1P/450 DIS UL1672AWG22	AA	AB
	.	30000225	CAP CER 220PF 50V J SL	AA	AB
	.	30009833	CABL 1P/100 SIS	AA	AB
	.	40006432	MOUNTING BUTTON (MB-10)	AA	AB
	.	30009005	IC 24C16	AF	AQ
	.	20143026	R/C 1548 SHARP (EKO2GRAY/I) (GRAY/S)	AM	AY
	.	50043776	LABEL LOT W/BARCODE (100X280) SHARP	AA	AC
	.	20013018	LBL.BCK.CVR.ASSY (TV) (WO/UL)	AA	AB
	.	50023173	LABEL LOT W/BARCODE (77X256)	AA	AC
	.	40011046	WIRE SADDLE (PINGOOD CHF-8)	AA	AB
	.	40017676	SPEAKER GRILL ASSEMBLY (R)_2962	AM	AY
	.	40018356	LOGO SHARP (D.C.-SILVER) 29" RF	AD	AL
	.	40018611	SPEAKER GRILL ASSEMBLY (L)_2962	AM	AY
	B-B	30009834	CABL 1P/60 SIS	AA	AB
⚠	F100	30001731	FUSE SAFE 2.5A 250V 5*20MM	AA	AC
	J344	30001996	FIXED COIL 22UH Q40 K	AA	AB
	J388	30001971	FERRITE BEAT (805) BLM21A601S	AA	AD
	JK100	30026584	TV JACK BOARD JXTI046	AG	AS
	JK101	30001902	JACK HEADPHONE STEREO WO/SW	AC	AH
	NOT	30011742	CABL 1P/25 SIS	AA	AB
	PL100	30029258	CNAS 6P/150 TB FLT W/C UL2468AWG24	AA	AD
	PL100	30001792	CONN HEADER 2P 7.5MM TOP WHT	AA	AC
	PL101	30001838	CONN HEADER 3P 2.5MM TOP YELLOW SD	AA	AC
	PL101	30001795	CONN HEADER 3P 5/7.5MM TOP WHT	AA	AC
	PL101	30020137	CNAS 600 FAV SVHS W/DC+FER	AF	AQ
	PL102	30020137	CNAS 600 FAV SVHS W/DC+FER	AF	AQ
	PL102	30001830	CONN HEADER 2P 2.5MM TOP BLUE SD	AA	AB
	PL102	30001792	CONN HEADER 2P 7.5MM TOP WHT	AA	AC
	PL103	30020137	CNAS 600 FAV SVHS W/DC+FER	AF	AQ
	PL103	30001792	CONN HEADER 2P 7.5MM TOP WHT	AA	AC
	PL103	30001839	CONN HEADER 3P 2.5MM TOP GREEN SD	AA	AC
	PL104	30001792	CONN HEADER 2P 7.5MM TOP WHT	AA	AC
	PL104	30009317	CNAS 3P/700 FLT W/BLK C+FER UL2468AWG24	AC	AG
	PL204	30010921	DOUBLE-DECK SCART SOCKET	AD	AM
	PL206	30010039	CONN HEADER 8P 2.5MM TOP WHT	AA	AB
	PL207	30001830	CONN HEADER 2P 2.5MM TOP BLUE SD	AA	AB
	PL500	30001783	CONN HEADER 5P 2.5MM TOP BD	AA	AC
	PL502	30001784	CONN HEADER 6P 2.5MM TOP BD	AA	AC
	PL602	30001792	CONN HEADER 2P 7.5MM TOP WHT	AA	AC
	PL602	30016483	CNAS 2P/600 HRZ DIS W/C UL1672AWG24	AA	AE
	PL603	30001829	CONN HEADER 2P 2.5MM TOP WHT SD	AA	AB
	PL603	30019083	CNAS 2P/600 SIS W/C+FER UL1007AWG24	AB	AF
	PL604	30001850	CONN HEADER 6P 2.5MM TOP WHT SD	AA	AC
	PL703	30001839	CONN HEADER 3P 2.5MM TOP GREEN SD	AA	AC
	PL708	30001762	CONN HEADER 2P 2.5MM(9.7MM) TOP	AA	AC
	PL709	30001764	CONN HEADER 2P 2.5MM(9.7MM) TOP BLACK	AA	AC
	PL711	30001836	CONN HEADER 3P 2.5MM TOP BLACK SD	AA	AB

	REF No.	PARTS	DESCRIPTION	SN CODE	EX CODE
⚠	PL901	30028447	SOCKET CRT SAFE NARROWNECK W/GND INCHANG	AA	AE
	PL902	30010039	CONN HEADER 8P 2.5MM TOP WHT	AA	AB
	PL902	30027546	CNAS 5P/350 SHL+3P/350 SIS RGB W/DC+FER	AD	AM
	PL903	30001850	CONN HEADER 6P 2.5MM TOP WHT SD	AA	AC
	PL903	30030432	CNAS 6P-4P/500+1P/850 SIS W/3C+FR UL1007	AA	AC
	PL904	35000176	EYELET BR 2*3MM	AA	AB
	PL905	35000176	EYELET BR 2*3MM	AA	AB
	PL905	35000135	TEST PIN 1.1MM	AA	AB
	PL909	35000176	EYELET BR 2*3MM	AA	AB
	PL909	35000135	TEST PIN 1.1MM	AA	AB
	S224	30000792	RES CF 1/4W 75R J	AA	AB
	S225	30012713	RES SMD 1/16W 75R J (0603)	AA	AB
	S226	30012713	RES SMD 1/16W 75R J (0603)	AA	AB
	S227	30012713	RES SMD 1/16W 75R J (0603)	AA	AB
	SG901	30000428	SPARK GAP 300V	AB	AG
	SG902	30000428	SPARK GAP 300V	AB	AG
	SG903	30000428	SPARK GAP 300V	AB	AG
	SG904	30000428	SPARK GAP 300V	AB	AG
	SG905	30021532	SPARK GAP 1500V	AC	AG
	SW100	30002181	SWITCH TACT(4)	AA	AC
	SW101	30002181	SWITCH TACT(4)	AA	AC
	SW102	30002181	SWITCH TACT(4)	AA	AC
	SW103	30002181	SWITCH TACT(4)	AA	AC
⚠	SW104	30017848	SWITCH SAFE ON/OFF 4A/128A JVC(PANASONI)	AC	AH
	SW104	40018112	BRACKET POWER SWITCH (PINGOOD HS-5)	AA	AC
⚠	TH101	30001268	THERMISTOR 3P	AD	AM

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